



Pond Armor™

NOTICES

Metacrylics® products must be applied and installed according to written specifications from the manufacturer. Metacrylics® assumes no liability for failures of this roof/deck system resulting from deviation from manufacturer's written specification, poor workmanship, or delamination of an existing underlying roof/deck membrane. The manufacturer makes no warranty of any kind, express or implied, concerning this roof/deck system, if it is not used according to manufacturer's specifications.

SOURCES

ASTM and FTMS performed by Underwriters Laboratories, Inc., Cal Coast Laboratories, Inc., Harlan Associates, Inc., State of Calif. Dept. of Transportation (Division of Structures and Engineering Services) Office of Transportation Laboratory, Sacramento, CA; State of Calif. Air Resources Board, Sacramento, CA; State of Calif. Dept. of Health; State of Calif. Bay Area Air Pollution Control Dist.; field experience of construction contractors and California Builder & Engineer. Metacrylics® is not responsible for any changes in the above data due to discovered data or changes in the above tests.

MANUFACTURER

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DESCRIPTION

Metacrylics CLEAR base is a transparent, water-based acrylic elastomeric coating. Non-volatile, highly adhesive, coating for almost any surface. Must be protected from the sun's UVs with Metacrylics acrylic topcoat.

USES

For use as a self-priming protective basecoat coating or as a Primer for enhanced adhesion to existing surfaces.. When applied with Metacrylics®, Polyester fabric, and Acrylic or Silicone top coat coatings, this product is recommended for all roofs. Other uses include exterior and below grade waterproofing. Metacrylics® products may be applied to BUR Asphalt, Tar & Gravel, Granulated Capsheet, Rolled Roofing, Metal, Concrete, Wood, Foam, EPDM, PVC and Stucco surfaces.

ZINC OXIDE

Metacrylics CLEAR ACRYLIC BASE contains no zinc oxide. California Prop. 65 has identified zinc oxide as a hazardous material. No product manufactured by Metacrylics contains zinc oxide. This has been verified by independent testing by ICC-ES and UL Laboratories, our quality control agency.

COLOR

WHITE when liquid and dries clear and tacky

PRODUCT SPECIFICATIONS*

Temperature Cycling & Penetration: Tests conducted in accordance with the "Acceptance Criteria For Special Roofing Systems" as published by the International Conference of Building Officials (ICC-ES). Results: PASS. Samples averaged 1.626 before testing. Samples averaged 1.610 after being subjected to the Weatherometer. The change in thickness was less than 1%. Examination of the samples after testing showed no evidence of tearing or cracking of the protective coating.

**Temperature Cycling & Penetration Testing: 25 continuous cycles, each cycle consisted of 1 hour of water exposure at room temperature prior to 6 hours at -40°F, 2 hours at 70°F, 14 hours at 180°F and 1 hour at 70°F. Spray nozzles delivered 6 in. of water per hour at a temperature of 40°F to 60°F. At the conclusion of the 25 cycles the specimens were examined.*

Tensile Strength	*Includes Metacrylics stitchbonded polyester fabric (10 mils) Strength: 276 psi (81 mils*) Strength at break: 3,540 psi 74°F ASTM D412
Tensile Elongation	(10 mils) Elongation:434% ave(81 mils*) Strength at break: 1,914 psi , 0°F ASTM D412
Flash Point	No flash at 200°F (water-based). ASTM 1310, Tag Open Cup
Hardness	Shore A 41 ASTM D-676 (8 days cure + 4 hours 12°F)
Peel Adhesion	Concrete: 6.3 average lbs./linear inch ASTM C836
Permeability	(H ₂ O Vapor Transmission) 0.016 Perms ASTM D1653 (63 mils dry film thickness)
Wind Uplift	105 PSF Section 6 of ANSI A58.1, Min. Design Loads for Building and Other Structures
Fire Resistance	Class A ASTM E-108 UL Standard 790 (1,400°F Flame & Wind Velocity 1,050 ft./minute)
Chemical Resistance	Gasoline- some softening and spotting Lubricating Oil-some spotting 1% sodium hydroxide alkali -no effect Diesel -no effect 1% Hydrochloric acid -no effect Stoklard solvent-no effect Sodium chloride (salt) -no effect Boric acid -no effect Petroleum ether (naphtha) -no effect

PRODUCT SPECIFICATIONS (Continued)

Saybolt Furol	At 122°F is 265 Sec. AASHTOT 59
Demulsibility	No reaction AASHTOT 59
Particle Charge	Negative TOXICITY: Not for use with potable water.
Weight	10.0 lbs./gallon
Solids Content	(by volume) 35.28%, 5.6 dry mils
V.O.C.s	3.3g/l

* These figures should be taken for comparison purposes only. All that can be obtained from it is an idea of the order of magnitude.

APPLICATION

Surface Preparation

Surfaces should be clean, dry, and free of dust, dirt and oily residues. Remove loose rust from metal, and wipe new galvanized metal with acidic acid solution prior to application. Metacrylics Clear Acrylic Base is self-priming, no primer is needed. New concrete must be fully cured. New glazed asphalt and torch down single ply assemblies should wait 6 months or more before application.

Spray Application & Coverage Rates

Apply CLEAR Base @ 3 gallons/100 sq. ft., embed polyester fabric, then immediately apply CLEAR Base @ 2 gallons/100 sq. ft. over the polyester fabric. (total 5 gallons/100 sq.ft.) using a .035 spray tip. Allow 24-48 hours drying time. Hints: Don't spray on windy days! Use barricades around the job. Visqueen all skylights, etc. not to be coated. Be sure to have 1/2 a barrel of water to flush the pump & hose when finished. Be sure to have extra tips and TSL Throat Seal Liquid. Carefully pour a 1/4" layer of water over the drum of Clear Base to prevent skinning over.

Roller Application & Coverage Rates

Apply CLEAR Base @ 3 gallons/100 sq. ft., embed polyester fabric, then immediately apply CLEAR Base @ 2 gallons/100 sq. ft. over the polyester fabric. (total 5 gallons/100 sq.ft.). Allow 24-48 drying time. Overlap sidelaps and endlaps 3". Use a 9" semi-rough surface roller cover for application of the Base and polyester fabric.

HINTS: Allow 24-48 hours drying time or dry enough to walk on. Cold temperatures slow down drying time. Start early, stop early! Application in hot temperatures should be avoided or blistering of the coating may occur. If any Acrylic Base is left over, apply additional coats until all product is used. 5 gallons per 100 sq. ft. is necessary to prevent delamination in ponding areas and to maintain superior performance under UV and freezing conditions.

Clean Up

Clean tools and equipment with water. Cured material may be removed with amyl acetate, hand cleaner, or lacquer thinner. Do not use these materials (except hand cleaner) on bare skin. THINNING: Thin with water if necessary.

Storage & Precautions

Store in areas where temperature remains above 40°F. Prior to use agitate for 2-3 minutes by hand or machine. Reseal opened containers. If contents skin, remove skin, agitate, use immediately. If the product has been stored for a months (or years), remove any surface skin that may have developed, stir, and immediately use.

IMPORTANT

DO NOT APPLY if rain or freezing weather is imminent within 24 hours following application, or during fog or drizzle. This product is water-based and could wash off if not fully cured. KEEP AWAY FROM CHILDREN. DO NOT APPLY when temperatures are consistently below 40°F. The Acrylic Base dries slowly when temperatures are below 55°F. Areas shaded from sunlight dry very slowly. 72 hours or more may be required for proper curing. DO NOT thin or add solvents. PROTECT materials from freezing & extreme heat. CAUTION! Wet acrylic is extremely slippery when stepped on. Always use a safety rope on sloped surfaces. STIR the Metacrylics Clear BASE before any application!